

Correlation Lab

1. Download excel file
2. Measure association between two variables using Pearson's r .
3. Graph relationship between variables and fit using regression line.
4. Write a sentence or two reporting the means and standard deviations of your variables, along with the correlation coefficient and p-value.

Example results section:

A significant correlation was found for age in years and performance on a mental rotation task such that older adults had fewer number correct than young adults, $r = -.80$, $n = 100$, $p < .01$. Mean age was 45.2 years ($SD = 3.3$) and mean number correct on the mental rotation task was 14.0 ($SD = 4.5$).